SUBMISSION OF PROPOSED DRAWING AMENDMENT FOR APPROVAL BY EXAMINER (37 CFR 1.121(a)(3)(ii) or 37 CFR 1.121(b)(3)(ii))	Docket No. 872.0014.USU

In Re Application Of: **Seppo Alanara**

Serial No.	Filing Date	Examiner	Art Unit
09/783,917	02/15/2001	Tran, Pablo N.	2684

Invention: **Backwards Compatible, Extended Method to Execute Check Number Calculation of IMEI**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Attached please find:

(check applicable items)

☒ a sketch in permanent ink

☐ a copy of the original drawing(s) with red ink

showing proposed changes to the drawing(s) in this application for which the approval of the examiner is requested.

Signature

Dated: **November 25, 2002**

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I certify that this document and fee is being deposited on **11/25/2002** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Victoria Parker

Typed or Printed Name of Person Mailing Correspondence

Luhn formula for computing modulus 10 "double-add-double" check digit

The following steps are involved in this calculation:

Step 1: Double the value of alternate digits beginning with the first right-hand digit (low order).

Step 2: Add the individual digits comprising the products obtained in Step 1 to each of the unaffected digits in the original number.

Step 3: Subtract the total obtained in Step 2 from the next higher number ending in 0 [this is the equivalent of calculating the "tens complement" of the low order digit (unit digit) of the total]. If the total obtained in Step 2 is a number ending in zero (30,40, etc.), the check digit is 0.

Example:

Account number without check digit 4992 73 9871

										Steps
4	9	9	2	7	3	9	8	7	1	1
	x2		x2		x2		x2		x2	
	18		4		6		16		2	

4 + 1 + 8 + 9 + 4 + 7 + 6 + 9 + 1 + 6 + 7 + 2 = 64 — Steps 2

70 - 64 = 6 — Steps 3

Account number with check digit 4992 73 9871 6

FIG. 6
PRIOR ART